



49-805.fm Page 1 Thursday, August 19, 1999 9:51 AM



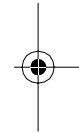
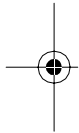
Cat. No. 49-805

OWNER'S MANUAL

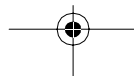
Please read before using this equipment.

RS-500

Auto Security Alarm System



RadioShack™



FEATURES

Your RadioShack RS-500 Auto Security Alarm System provides both easy installation and advanced vehicle protection. Its simple, two-wire hookup lets you install your alarm in minutes, and its 115 dB alarm alerts anyone nearby that your vehicle is being tampered with.

Its features include:

Current Sensing System — triggers the alarm when a door or trunk is opened and the vehicle's dome or trunk light turns on or when your vehicle is hot wired, by sensing the current draw.

Current Sensor Bypass — lets you turn off current sensing if other electronic devices in your vehicle (such as a high-power audio system or cellular phone) make your alarm sound false alarms.

Adjustable Shock Sensing System — sounds the alarm when the system detects an impact.

Electric Fan Sensing — can tell the difference between your vehicle's electric fan (which can make other alarms sound a false alarm) and the dome or trunk light, without using additional wiring.

115 dB Siren — loud enough to get attention from hundreds of feet away.

Four-Button Keychain Remote — lets you easily control your alarm from a distance.

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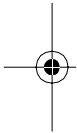
Car Finder — lets you make the alarm sound four loud beeps to help you find your vehicle in a crowded parking lot.

Instant Panic Alarm — sounds a loud alarm to alert others that you need assistance while you are in or near your vehicle.

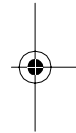
No-Tool Installation — uses an adhesive backing for mounting and spring clamps for connecting to power, so you can install the alarm in minutes.

Toll-Free Help — just call:

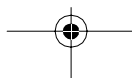
1-800-598-2527



if you have any questions about or problems with your alarm system.



Warning: This alarm produces an extremely loud (115 dB) siren when triggered. Extended exposure to the siren from a close range can be painful and might damage your hearing.



INSTALLATION

Follow these simple steps to install your alarm.

1. Select a location for the alarm that is:
 - Flat so the alarm's adhesive surface makes good contact
 - Within 1 foot of your vehicle's battery
 - Not on an engine part or any part that moves or gets hot
 - Not in the way of normal engine operation or maintenance

Note: If there is space, the battery itself is usually an ideal location.

2. Clip the alarm's red clip to the battery's positive (+) terminal.
3. Clip the alarm's black clip to the battery's negative (-) terminal. The alarm chirps three times.



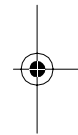
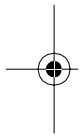
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4. Wash the surface with soap and water and allow it to dry. Then use the supplied alcohol wipes to thoroughly clean the mounting surface. Allow the surface to completely dry.

5. Peel off the alarm's adhesive backing and press it onto the prepared surface. Hold the alarm in place for 10 seconds to help ensure a secure mount.

Note: If the surface is not flat, you can cut the adhesive to fit into surface grooves for a more secure mount.

Straighten the alarm's yellow antenna wire and let it hang down. For the greatest remote control range, avoid running the yellow wire along metal parts.

6. Press **DISARM** on the remote control. The alarm beeps very loudly twice. This trains the alarm to recognize the remote.





OPERATION

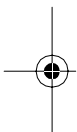


USING THE SYSTEM

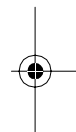
To arm the system, press **ARM**. The alarm chirps once. The alarm activates the shock sensor 6 seconds after arming and activates the current sensor 20 seconds after arming.

If the alarm detects a violation while it is armed, it sounds a loud alert for about 30 seconds, then resets and is ready to detect additional violations.

To silence the alert sooner, press any button on the remote control. The alarm disarms.



To disarm the system, press **DISARM**. The alarm beeps twice if there have been no alarms, or three times if the alarm sounded while you were away.

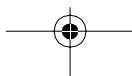


To find your vehicle in a crowded parking lot, press **FINDER**. If you are within range of the alarm, it chirps four times.

Note: The alarm must be armed for the car finder to work.

To sound the alarm at any time, press and release **PANIC**. The alarm sounds the alert tone for about 30 seconds. To silence the alert sooner, press any button on the remote control.

Caution: You can sound the panic alarm or arm the alarm even when your vehicle's engine is running and the vehicle is moving. Operating a siren on a moving non-emergency vehicle is illegal in some areas.



SETTING THE CURRENT SENSOR

If another electronic device installed in your vehicle, such as a cellular phone, causes your alarm to sound when it should not, press **PANIC** for 2 seconds. The alarm beeps twice and current sensing turns off. To turn current sensing back on, press **PANIC** for 2 seconds. The alarm beeps once.

SETTING THE SHOCK SENSOR

The shock sensor is preset for average conditions. Follow these steps to set the shock sensor to a different level.

1. Disarm the system.
2. Press and hold **FINDER** for 2 seconds. The alarm chirps four times.
3. Within 3 seconds, tap or hit your vehicle directly over the alarm with the amount of force you want the alarm to respond to. The alarm chirps three times.

Notes:

- If you do not tap or hit your vehicle within 3 seconds, the alarm chirps three times and is set to maximum sensitivity.
- If your alarm loses power, the shock sensor resets to its average setting when power is restored.

ADDING A REMOTE CONTROL

You can add one additional remote control to your system or replace a lost remote control. Remote controls (Cat. No. 49-845) are available from your local RadioShack store. Each remote control has its own unique electronic code.

Follow these steps to teach your system to respond to an additional remote's code.

1. Press and hold **ARM** on the original remote for about 10 seconds. The alarm beeps once when you first press **ARM**, then three times when it is ready to learn the new remote's code.
2. Press **DISARM** on the new remote control. The alarm beeps once and now works with either remote.

To replace a lost remote, disconnect power from the alarm. Then restore power and immediately press any button on the replacement remote.

Note: If your alarm loses power, it loses all remote codes. To restore the first remote's code, immediately press any button after you restore power. Then follow the above steps to re-teach the alarm the second remote's code.

REPLACING THE REMOTE CONTROL'S BATTERY

When the remote's range is reduced, or if the remote's indicator does not turn on when you press a button, follow these steps to replace its battery with a fresh 12-Volt remote battery (RadioShack Cat. No. 23-144).

Note: We recommend you change the remote's battery indoors on a flat surface, as it involves keeping track of small, easily lost parts.

1. Lay the remote face down on a flat surface, then use a small Phillips screwdriver to remove the two screws on the remote's back cover.
2. Carefully remove the remote's back cover.

Note: Leave the remote laying face down on a flat surface. If you turn over the remote, the buttons fall out.

3. Remove the battery.
4. Place the new battery between the power contacts, according to the polarity symbols (+ and -) marked in the remote's case.
5. Replace the back cover and secure it with the screws you removed in Step 1.

TROUBLESHOOTING

This section describes some problems you might encounter, and gives their possible solutions.

Problem	Solution
Alarm does not operate.	Check all power connections.
Frequent false alarms.	• Another electronic accessory is triggering the alarm. Try turning off current sensing temporarily to see if this solves the problem. Note: Your alarm is not triggered if your vehicle's electric fan turns on while the system is armed. • Your alarm's electrical connectors are not making good contact. Secure the connections. • The shock sensor is too sensitive. See "Setting the Shock Sensor" to change the setting.
Alarm does not sound when it should.	• The shock sensor is not sensitive enough. See "Setting the Shock Sensor." • Confirm that you have not disabled current sensing. See "Setting the Current Sensor."
The remote control's range is poor.	• The antenna wire is too close to metal. Move it away from metal. • The antenna wire has been cut or extended. Changing the antenna's length (longer or shorter) makes the range worse.

RadioShack Limited Warranty

This security product is warranted against manufacturing defects in material and workmanship for ninety (90) days from the date of purchase from RadioShack company owned stores and authorized RadioShack franchisees and dealers. Within this period RadioShack will repair the security product without charge for parts and labor. Simply **bring your RadioShack sales slip** as proof-of-purchase date to any RadioShack store.

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This warranty gives you specific legal rights and you may have other rights which vary from state to state.

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